

25X13

[redacted]
 M/EB 205/63
 16 May 1963
 Copy 3 of 5

25X1

M/EB 205-63

MEMORANDUM FOR: Chief, Atomic Biological Chemical Division, CSI
 ATTENTION: [redacted]
 FROM: Chief, CIA/PID (NPIC)
 SUBJECT: Aralsk, USSR Radio Station Frequency Determination
 REFERENCE: (a) Requirement OSI/191/63
 (b) CIA/PID Project C 637-63

1. This memorandum is in answer to your requirement dated 1 May 1963 which requested the operating frequency for the Aralsk, USSR radio station.

2. The Aralsk radio station consists of a control building and two self supporting vertical radiators. The radiators are each 90 feet (27.5 meters) high and spaced 180 feet (55 meters) apart. Based on the probability that these antennas are quarter wave length marconi type vertical radiators, the design frequency would be approximately [redacted] This design frequency is within the medium frequency bandwidth. A less likely possibility is that the antenna is a dipole strung between the two masts. Based on a dipole configuration, [redacted] This is also within the mf bandwidth.

3. The station is probably utilized for local broadcast. With proper switching facilities (not evident on photography), the station could have directional vertically polarized electromagnetic radiation patterns utilizing cardioc lobing principles.

4. The photo analyst on this project is [redacted] and he may be contacted on extension [redacted] should you have any further questions concerning this project.

5. This project is considered to be complete.

[redacted]

Declass Review by NGA.

TOP SECRET

GROUP 1
 Excluded from automatic
 downgrading and
 declassification

25X1